

**Session Code [09] TuJ3**

<b>Session Title</b>	Novel Semiconductor Materials and Devices 1
<b>Date and Time</b>	Tuesday, October 5, 2021 / 15:40-17:05
<b>Session Room</b>	Room J (401)
<b>Session Chair(s)</b>	Woongkyu Lee (Myongji Univ., Korea)

**[[09] TuJ3-1] Keynote Talk 15:40-16:10**

Novel Ternary Logic Devices and Architectures Enabling Extreme Low Power Computing

Byoung Hun Lee (*POSTECH, Korea*)

**[[09] TuJ3-2] Invited Talk [Online] 16:10-16:35**

Thickness-Controlled Black Phosphorus Tunnel Field-Effect Transistor for Low Power Switches

Seungho Kim and Sungjae Cho (*KAIST, Korea*)

**[[09] TuJ3-3] 16:35-16:50**

Growth and Dielectric Properties of Fluorinated Amorphous Carbon Ultrathin Films for Metal-Insulator-Semiconductor Device Applications

Quoc Viet Dong, Dong-Bum Seo, Nam Trung Tran, and Eui-Tae Kim (*Chungnam Nat'l Univ., Korea*)

**[[09] TuJ3-4] 16:50-17:05**

Deep Reinforcement Learning Based Semiconductor Quantum Dot Qubits Auto-Tuning

Gyeonghun Kim, Kyunghoon Jung, and Dohun Kim (*Seoul Nat'l Univ., Korea*)